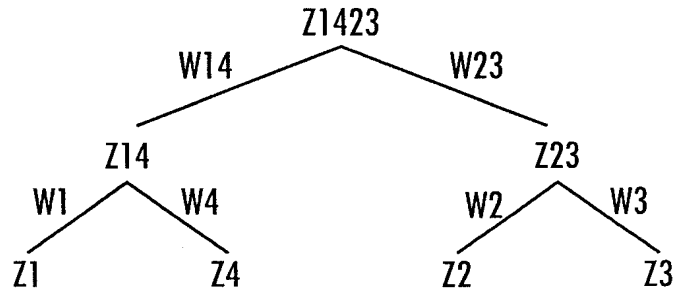


34 / 55

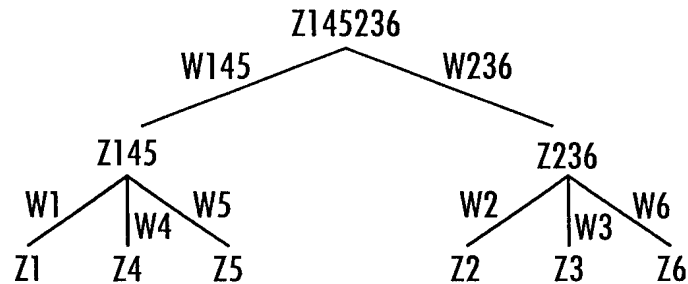
FIG.42



$$\begin{aligned} Z14_with_bias &= W1 \cdot Z1_with_bias + W4 \cdot Z4_with_bias \\ Z23_with_bias &= W2 \cdot Z2_with_bias + W3 \cdot Z3_with_bias \\ Z1423_with_bias &= W14 \cdot Z14_with_bias + W23 \cdot Z23_with_bias \end{aligned}$$

$$\begin{aligned} Z1_rel &= Z1_with_bias - Z14_with_bias \\ Z4_rel &= Z4_with_bias - Z14_with_bias \\ Z2_rel &= Z2_with_bias - Z23_with_bias \\ Z3_rel &= Z3_with_bias - Z23_with_bias \\ Z14_rel &= Z14_with_bias - Z1423_with_bias \\ Z23_rel &= Z23_with_bias - Z1423_with_bias \end{aligned}$$

FIG.43

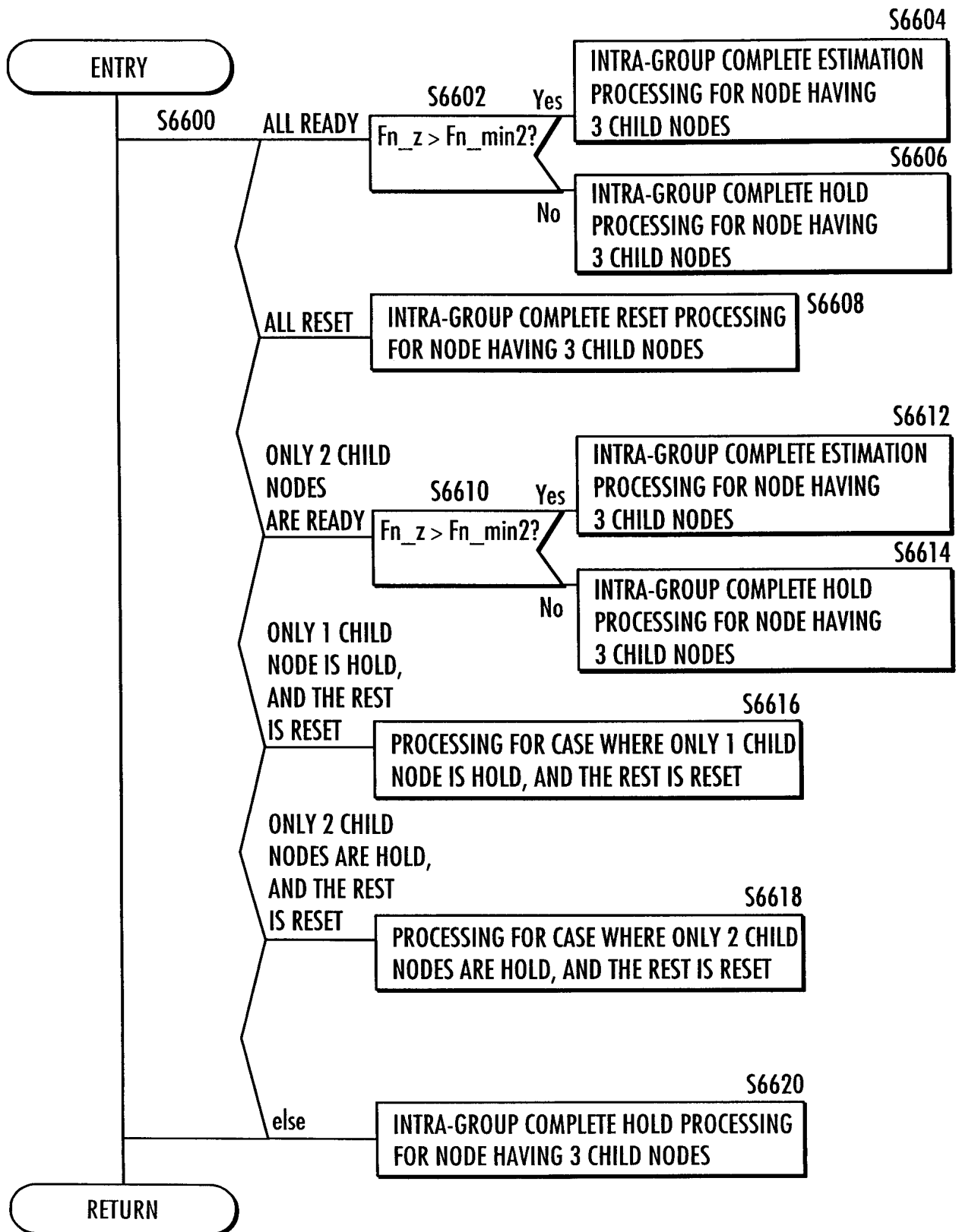


$$\begin{aligned} Z145_with_bias &= W1 \cdot Z1_with_bias + W4 \cdot Z4_with_bias + W5 \cdot Z5_with_bias \\ Z236_with_bias &= W2 \cdot Z2_with_bias + W3 \cdot Z3_with_bias + W6 \cdot Z6_with_bias \\ Z145236_with_bias &= W145 \cdot Z145_with_bias + W236 \cdot Z236_with_bias \end{aligned}$$

$$\begin{aligned} Z1_rel &= Z1_with_bias - Z145_with_bias \\ Z4_rel &= Z4_with_bias - Z145_with_bias \\ Z5_rel &= Z5_with_bias - Z145_with_bias \\ Z2_rel &= Z2_with_bias - Z236_with_bias \\ Z3_rel &= Z3_with_bias - Z236_with_bias \\ Z6_rel &= Z6_with_bias - Z236_with_bias \\ Z145_rel &= Z145_with_bias - Z145236_with_bias \\ Z236_rel &= Z236_with_bias - Z145236_with_bias \end{aligned}$$

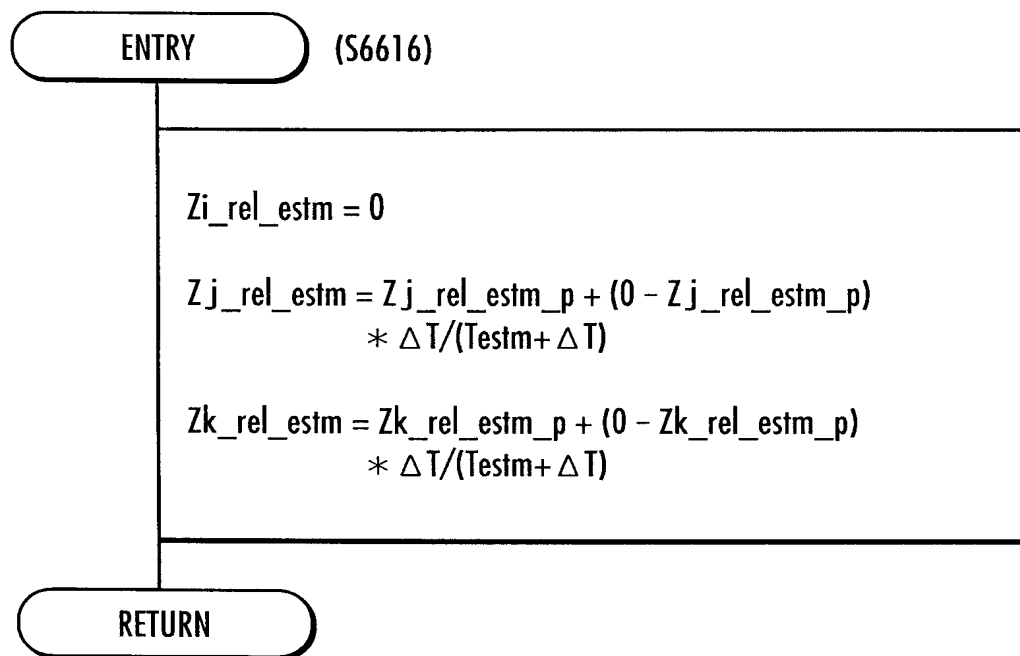
38 / 55

FIG.49



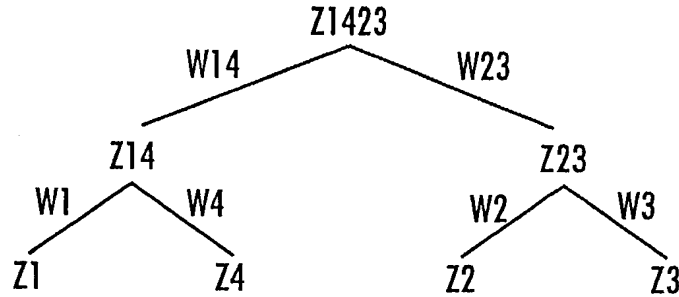
42 / 55

FIG.54



34 / 55

FIG.42



$$Z14_with_bias = W1 \cdot Z1_with_bias + W4 \cdot Z4_with_bias$$

$$Z23_with_bias = W2 \cdot Z2_with_bias + W3 \cdot Z3_with_bias$$

$$Z1423_with_bias = W14 \cdot Z14_with_bias + W23 \cdot Z23_with_bias$$

$$Z1_rel = Z1_with_bias - Z14_with_bias$$

$$Z4_rel = Z4_with_bias - Z14_with_bias$$

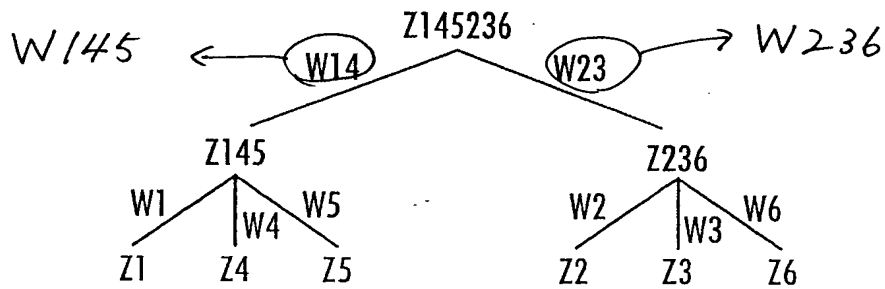
$$Z2_rel = Z2_with_bias - Z23_with_bias$$

$$Z3_rel = Z3_with_bias - Z23_with_bias$$

$$Z14_rel = Z14_with_bias - Z1423_with_bias$$

$$Z23_rel = Z23_with_bias - Z1423_with_bias$$

FIG.43



$$Z145_with_bias = W1 \cdot Z1_with_bias + W4 \cdot Z4_with_bias + W5 \cdot Z5_with_bias$$

$$Z236_with_bias = W2 \cdot Z2_with_bias + W3 \cdot Z3_with_bias + W6 \cdot Z6_with_bias$$

$$Z145236_with_bias = W145 \cdot Z145_with_bias + W236 \cdot Z236_with_bias$$

$$Z1_rel = Z1_with_bias - Z145_with_bias$$

$$Z4_rel = Z4_with_bias - Z145_with_bias$$

$$Z5_rel = Z5_with_bias - Z145_with_bias$$

$$Z2_rel = Z2_with_bias - Z236_with_bias$$

$$Z3_rel = Z3_with_bias - Z236_with_bias$$

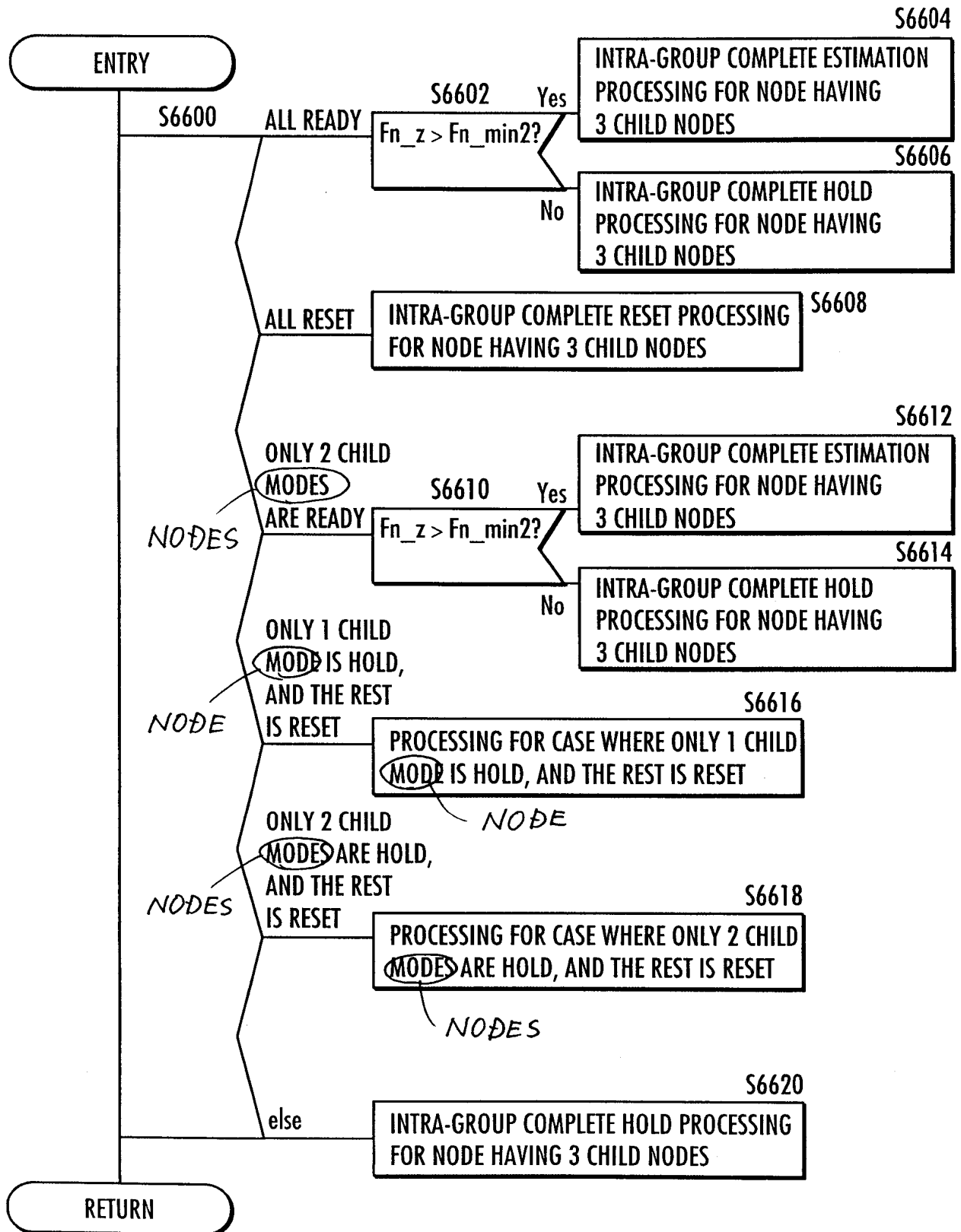
$$Z6_rel = Z6_with_bias - Z236_with_bias$$

$$Z145_rel = Z145_with_bias - Z145236_with_bias$$

$$Z236_rel = Z236_with_bias - Z145236_with_bias$$

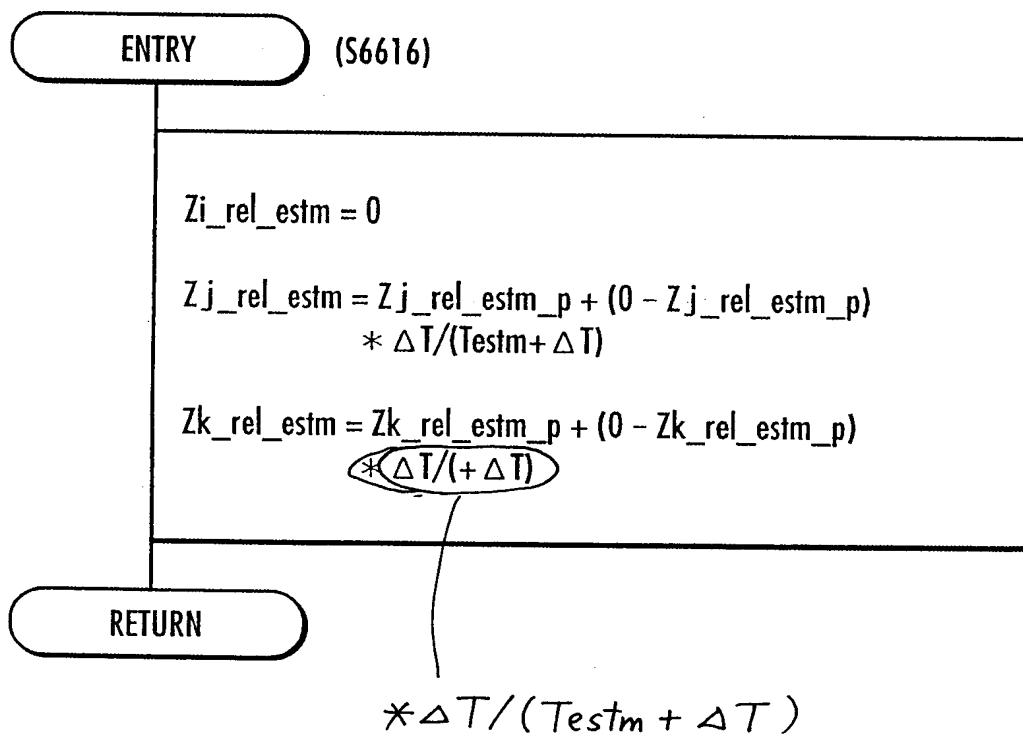
38 / 55

FIG.49



42 / 55

FIG.54



49 / 55

FIG.62

